

WHAT IS CLAIMED IS:

1. A control apparatus of a storage unit, the control apparatus having a first communication port for conducting  
5 communication with a computer, a first processor that controls the first communication port, a first storage device that stores a first queue for storing a command for conducting the communication sent from the computer to the first communication port, a first memory that the  
10 first processor accesses, a second communication port for conducting communication with the computer, a second processor that controls the second communication port, and a second storage device that stores a second queue for storing a command for conducting communication sent  
15 from the computer to the second communication port, the first processor executing the command stored in the first queue to thereby control the communication with the computer, the second processor executing the command stored in the second queue to thereby control the  
20 communication with the computer,  
the control apparatus comprising:  
a unit causing the second processor to implement execution of the command stored in the first queue; and  
a unit changing data stored in the first memory while  
25 the second processor is being caused to implement execution of the command stored in the first queue.

2. A control apparatus of a storage unit according to claim 1, wherein the unit causing the second processor to manage execution of the command stored in the first queue is a unit allowing the first processor to transfer  
5 the command stored in the first queue to the second queue and allowing the second processor to read the command for execution from the second queue.

3. A control apparatus of a storage unit according to  
10 claim 1, wherein the unit causing the second processor to manage execution of the command stored in the first queue is a unit allowing the second processor to read the command for execution from the first queue.

15 4. A control apparatus of a storage unit according to claim 1, wherein the unit changing data stored in the first memory is a unit allowing the first processor to write data inputted from the outside over data stored in the first memory.

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5. A method of controlling a control apparatus of a storage unit, the control apparatus having a first communication port for conducting communication with a computer, a first processor that controls the first  
25 communication port, a first storage device that stores a first queue for storing a command for conducting communication sent from the computer to the first

communication port, a first nonvolatile memory that the first processor accesses, a second communication port for conducting communication with the computer, a second processor that controls the second communication port, and a second storage device that stores a second queue for storing a command for conducting communication sent from the computer to the second communication port, the first processor executing the command stored in the first queue to thereby control the communication with the computer, the second processor executing the command stored in the second queue to thereby control the communication with the computer,

the method comprising the steps of:

causing the second processor to implement execution of the command stored in the first queue; and changing data stored in the first nonvolatile memory while the second processor is being caused to implement the execution of the command stored in the first queue.